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LIBRARY NEWSLETTER

U. S. DEPARTMENT of AGRICULTURE

San Francisco Branch
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Vol. 7, Nos. 1 & 2

January-February 1948

NEW BOOKS

BUTSCH, RUSSELL LEWIS CARL. How To Read Statistics. 184 p. Milwaukee, Bruce, 1946. 251 B98

Are you perplexed by statistics? Can you easily interpret and explain evidence and conclusions presented in statistical form and statistical terminology? Do you need light on a jumble of figures? Do you understand the purpose and results of the techniques employed? Why bother about statistics? How To Read Statistics adequately answers these questions in a clear and simple manner.

- From the book jacket

CHAPMAN, HERMAN HAUPT & MEYER, WALTER H. Forest Valuation, with special emphasis on basic economic principles. 521 p. N.Y., McGraw-Hill, 1947. 99.57 C36F

"Designed for basic or supplementary use in courses in forest economics, management, and finance, this comprehensive text gives particular emphasis to the application of general principles to forest economics and valuation. The book is outstanding for its wide coverage, up-to-date treatment of recent advances, and its stress on discount, market values, and detailed analysis of grade composition and value of standing timber. It is especially notable for its development of the economic principles upon which the structure of forest valuation depends."

This is another volume in the American Forestry series.

FRYER, LEE. The American Farmer: his problems and his prospects. 172 p. N. Y., Harper, 1947. 281.12 F94

"This book tells a story with far-reaching implications. It is the story of declining opportunity and mounting difficulties which threaten to eliminate the small farmer almost from our economy. What that transformation will mean in the growth of already overpopulated cities and the gradual impoverishment of the land is here set forth with compelling and disturbing clarity.

The author, who has spent his life in farming and in working with farm problems, has combined with his own experience the startling facts of present trends in our rural areas. He shows why the small farmer has found it more and more difficult to survive during the past three decades of great industrial expansion. He explains why the wealth of the soil

is concentrating in the hands of a few agricultural corporations while the independent farmer is being forced into the position of a hired worker, or into the city. He presents the facts on sub-standard incomes and health sapping the vigor of the great majority of farm families. Finally, looking ahead, the book projects a long-range charter by which rural life in the United States may be reconstructed."

INTERNATIONAL INSTITUTE OF AGRICULTURE. International Yearbook of Agricultural Statistics, 1941-42 to 1945-46. Rome, Villa Borghese, 1947.

- Vol. I. Agricultural Production and Numbers of Livestock.
- Vol. II. International Trade.
- Vol. III. Apportionment of Areas, Agricultural Production and Numbers of Livestock in Various Countries.

PACIFIC LOGGING CONGRESS. Loggers Handbook. Portland, Oregon. 99.76 P112LA

Vol. 7. Log Transportation. 128 p. 1947.

PEATTIE, RODERICK, ed. The Sierra Nevada: the range of light. 398 p. N. Y., Vanguard Press, 1947. 125 P323S

The Spaniards called the Sierra Nevada the "snowy range"; John Muir named it the "Range of Light", but regardless of how it is termed love for these mountains is almost a bigoted religion to Californians. The well-chosen contributors to this new title in the American Mountain Series are Weldon F. Heald, Lester Rowntree, Mary Tresidder, Francois E. Matthes, David R. Brower, Idwal Jones, Charles Albert Harwell, Richard Joel Russell, and Oliver Kehrlein.

RENNE, ROLAND R. Land Economics; principles, problems, and policies in utilizing land resources. 736 p. N. Y., Harper, 1947. 282 R29

"One of the most urgent problems facing the world today is that of the utilization of land resources. This book presents a comprehensive picture of the basic factors involved. It analyzes the planning and control of land use in the interests of improving the quality of human living. The material is presented in the light of the far-reaching economic and social changes which have so recently shaken the very foundations of society."

U. S. BUREAU OF AGRICULTURAL ECONOMICS. Ten Years of Rural Rehabilitation in the United States. 433 p. Washington, D. C., July 1947. 1.941 R4T25

"The study on which this report is based was made at the special request of the Farm Security Administration. Emphasis is on the prewar standard rural rehabilitation loan program, but war-induced changes are indicated. No set cut-off date was possible for the statistical data; most of the statistics carry into 1943 or 1944..."

The study was conducted by Olaf F. Larson.

PLEASE WRAP BOOKS SECURELY IN CORRUGATED PAPER

SELECTED PAMPHLETS

BEEKEEPING

ECKERT, J. E. Beekeeping in California. 95 p. Berkeley, Calif., 1948.
(Calif. Agr. Col. Ext. Cir. No. 100 rev.) 100 Cl2E No. 100)

BUILDINGS

EDGAR, A. D. Roof coverings for farm buildings and their repair. 30 p.
1948. (USDA Farmers' Bul. No. 1751 rev.) 1 Ag84F No. 1751
FELDKAMP, C. L. The farmhouse: a list of references. 40 p. 1947. (USDA
Library. Library List No. 19, Sup. 1) 1.916 L612 No. 19 Sup. 1
U. S. FOREST SERV. FOREST PRODUCTS LAB. Technique of house nailing ... in
collaboration with the technical staff of the Housing and home finance
agency. 53 p. 1947.

CALIFORNIA. HISTORY

JOHNSTON, PHILIP. Lost and living cities of the California gold rush. 61 p.
Los Angeles, Automobile club of southern California, 1948.

DAIRYING

RABCOCK, C. J. Operation and management of milk plants. 58 p. 1947. (USDA
Cir. No. 260 rev.) 1 Ag84C No. 260
CLARKE, D. A. A comparative analysis of the costs of operating milk collection
routes by can and by tank in California. 46 p. Berkeley, Calif., 1947.
(Giannini Foundation of Agr. Econ. Mimeographed Report No. 91)
281.9 G34M No. 91
DAWSON, J. R. Care and management of dairy cows. 41 p. 1947. (USDA Farmers'
Bul. No. 1470 rev.) 1 Ag84F No. 1470
GRAVES, R. R. Relative milk production of cows in pen barns and stanchion
barns. 7 p. 1947. (USDA Cir. No. 763) 1 Ag84C No. 763
U. S. BUR. DAIRY IND. List of sires proved in dairy-herd improvement associa-
tions, 1947. 66 p. 1947. (USDA Misc. Pub. No. 637) 1 Ag84L No. 637

FOOD PRESERVATION

JOSLYN, M. A. The commercial freezing of fruit products. 108 p. Berkeley,
Calif., 1948. (Calif. Agr. Expt. Sta. Bul. No. 703) 100 Cl2S No. 703
U. S. BUR. HUMAN NUTRITION. Home canning of fruits and vegetables. 24 p.
1947. (USDA AIS-64) 1 Ag84Ai No. 64
U. S. BUR. HUMAN NUTRITION. Home freezing of fruits and vegetables. 23 p.
1946. (USDA AIS-48) 1 Ag84Ai No. 48

FOREST FIRES

BYTAM, G. M. An eye-test for lookout men. 10 p. Asheville, N. C., 1944.
(Appalachian forest expt. sta. Tech. Note. No. 57) 1.9 F7623T No. 57
LOS ANGELES CO. DEPT. OF FORESTER & FIREWARDEN. Annual report ... fiscal
year ending June 30, 1947. 62 p. 1947. 99.9 L90
WESTERN FORESTRY & CONSERVATION ASSOC. The Western fire fighter's manual.
8 pts. Portland, Oreg., 1942-46.

FORESTRY

- CALIF. STATE BD. OF FORESTRY. Forest insect conditions in California during 1946. A report prepared in cooperation with the Forest insect lab. 32 p. 1947. 423.9 C122
- CALIF. STATE DIV. OF FORESTRY. Forest practice rules ... prepared and approved by Private Timberland Owners of Calif. Sacramento, 1947.
- I. Redwood.
 - II. North Sierra pine.
 - III. South Sierra pine.
 - IV. Coast range pine and fir.
- MUMMS, E. N. Converting factors and tables of equivalents used in forestry. 48 p. 1947. (USDA Misc. Pub. No. 225 rev.) 1 Ag84M No. 225
- U. S. FOREST SERV. The forests of western and central Ecuador. 134 p. Washington, 1947.
- U. S. FOREST SERV. Managing the small forest. 61 p. 1947. (USDA Farmers' Bul. No. 1989) 1 Ag84F No. 1989
- U. S. SOIL CONSERVATION SERV. Farm forestry in California, 1940-1945. 38 p. Sacramento, Calif. Div. of forestry, [1946?] 1.6 So3Fa
- U. S. TARIFF COM. Agricultural, pastoral and forest industries in Cuba. 64 p. Washington, 1947.

HARVESTING

- BRODELL, A. P. Harvesting small grains and utilization of the straw. 32 p. 1947. (BAE F.M. 66) 1.941 L6F22 No. 66
- BRODELL, A. P. Harvesting the hay crop. 21 p. 1946. (BAE F.M. 57) 1.941 L6F22 No. 57
- DOBIE, J. B. The electric hay hoist. 11 p. Berkeley, Calif., 1947. (Calif. Agr. Col. Ext. Serv. Cir. No. 139) 100 C12E No. 139
- HURST, W. M. Harvesting with combines. 40 p. 1947. (USDA Farmers' Bul. No. 1761 rev.) 1 Ag84F No. 1761

LOGGING

- BYRNE, J. J. Cost of hauling logs by motor truck and trailer. 111 p. Portland, Oreg., Pacific Northwest Forest & Range Expt. Sta., 1947.

PERSONNEL ADMINISTRATION

- U. S. DEPT. AGR. OFF. OF PERSONNEL. Personnel meeting, Dec. 1-5, 1947, Biloxi, Miss. 183 p. Washington, 1947. 1.917 A2F432
- U. S. DEPT. AGR. OFF. OF PERSONNEL. Statutes affecting personnel administration. 36 p. Washington, 1947. 1.917 A2St23

SEEDS

- SEED TRADE BUYERS GUIDE; 31st ed. 240 p. Chicago, Ill., 1948.

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The Library has publications of all types, collected specifically for your use. Get acquainted with the books and periodicals which will help you perform your work more efficiently and satisfactorily.

WATER

- BROWN, C. B. Reservoir sedimentation in the Sacramento-San Joaquin drainage basins, California. 69 p. 1947. (SCS Sedimentation Sect. Special Report No. 10) 1.96 R31Sp
- MUCKEL, D. C. The water supply of the Escondido soil conservation district, San Diego county, Calif. 53 p. SCS, 1947.
- U. S. SOIL CONSERVATION SERV. Handbook of channel design for soil and water conservation. 41 p. Washington, 1947. (SCS-TP-61) 1.96 Ad6Tp No. 61

WEED KILLERS

- CRAFTS, A. S. General-contact weed killers. 16 p. Berkeley, Calif., 1947. (Calif. Agr. Col. Ext. Cir. No. 137) 100 C12E No. 137
- CRAFTS, A. S. Oil sprays for weeding carrots and related crops. 12 p. Berkeley, Calif., 1947. (Calif. Agr. Col. Ext. Cir. No. 136) 100 C12E

WILDLIFE.

- DAVIS, H. S. Care and diseases of trout. 98 p. 1947. (U. S. Fish & Wildlife Serv. Research Report No. 12 rev.) 156.2 R31 No. 12
- DAVISON, V. E. Farm fishponds for food and game land use. 29 p. 1947. (USDA Farmers' Bul. No. 1983) 1 Ag84F No. 1983
- GOLDMAN, E. A. The pocket gophers (genus Thomomys) of Arizona. 39 p. 1947. (U. S. Fish & Wildlife Serv. North Amer. Fauna No. 59) 1 B52N No. 59
- NEFF, J. A. Habits, food, and economic status of the band-tailed pigeon. 76 p. 1947. (U. S. Fish & Wildlife Serv. North Amer. Fauna No. 58) 1 B52N No. 58
- PEARCE, JOHN. Identifying injury by wildlife to trees and shrubs in north-eastern forests. 29 p. 1947. (U. S. Fish & Wildlife Serv. Research Report 13) 156.2 R31 No. 13
- STORER, T. I. Control of field rodents in California. 51 p. 1947. (Calif. Agr. Col. Ext. Serv. Cir. No. 138) 100 C12E No. 138
- U. S. FISH & WILDLIFE SERV. Regulations relating to migratory birds and certain game mammals: 1947. 8 p. 1947. (Regulatory announcement 21) 156.2 R26 No. 21
- U. S. FOREST SERV. CALIF. FOREST & RANGE EXPT. STL. Checklist of the vertebrate fauna of the San Dimas experimental forest, by John T. Wright and Jerome S. Horton. 15 p. Berkeley, Calif. 1946. 1.9622 C2C41

WOOD

- BROWNE, F. L. Wood properties and paint durability. 10 p. 1947. (USDA Misc. Pub. No. 629) 1 Ag84M No. 629
- HICOCK, H. W. The preservative treatment of fence posts and other structural materials. 19 p. 1947. (Conn. Agr. Expt. Sta. Bul. No. 509) 100 C76St No. 509
- STARR, A. J. Passage of liquids, vapors and dissolved materials through softwoods. 80 p. 1946. (USDA Tech. Bul. No. 929) 1 Ag84Tc No. 929

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Are you interested in Atomic Research and the Farmer? We have collected some interesting material for your information. The packet will be sent upon request. (See our Library Newsletter, Oct.-Dec. 1947, page 6)

HOW TO REQUEST MATERIAL FROM THE LIBRARY

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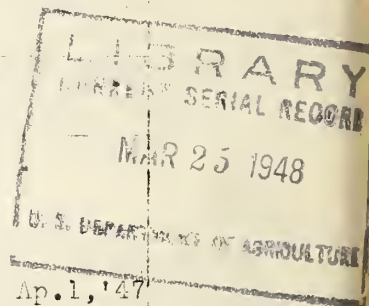
Where do I obtain form AD-245? Through your regular supply channels. The Library does not stock them for distribution.

How do I fill it out when requesting a book? See the sample below:

For Mr. Jean Dee Bureau E&F Room 511 - 15th St. Table No. Los Angeles Calif.	Call No.	U.S. DEPARTMENT OF AGRICULTURE LIBRARY REQUEST		
	386	Author (surname first)		
	F87	Frear, Donald E. H.		
		Title		
		Chemistry of insecticides and fungicides		
		Periodical		
	Vol.	No.	Page	Date 1942
	Charged		Return to	
	AD-245			

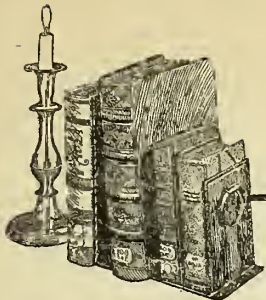
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For Miss Jane Jones Bureau BPI Room P.O. Box 359 Table No. Fresno, Calif.	Call No.	U.S. DEPARTMENT OF AGRICULTURE LIBRARY REQUEST		
	80	Author (surname first)		
	Am371	Cory, E. M.		
		Title		
		New insecticides and applicators		
		Periodical		
		Amer. Nurseryman		
	Vol. 85	No. 7	Page 9	Date Ap. 1, '47
	Charged		Return to	
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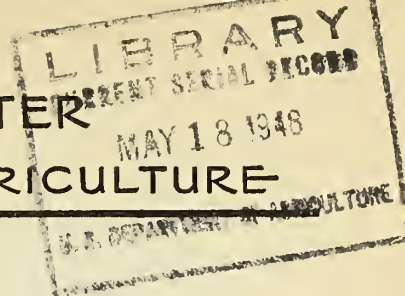
"Whodunits" are fun but please don't let it be a mystery to us who sent the request. Don't forget to fill in the space at the left with your name, bureau and address.

Give us all the information you have but do not hesitate to send in a request if you have only part of the information called for.



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Vol. 7, Nos. 3 & 4

March-April 1948

NEW BOOKS

AMERICAN SOCIETY OF CIVIL ENGINEERS. Transactions, vol. 112. 1632 p. 1947.

Partial contents: Landslide investigation and correction; The planning of aerial photographic projects; Space resection problems in photogrammetry; Recharge and depletion of ground-water supplies.

BUTCHER, DEVEREUX. Exploring Our National Parks and Monuments. 160 p. N. Y., Oxford univ. press, 1947. 98.6 B97

This book, authorized by the National Parks Association, is an ideal guide to the 24 National Parks and 38 Nature Monuments of the United States. It offers the following information:

1. A complete description of each park and nature monument - its scenic wonders, its animals, birds, and plants.
2. Full information on how to reach each park and monument by railroad and motor.
3. Accurate information on eating places and accommodations of all kinds, from hotels to camping grounds.
4. Special attractions of each park, including boating, horseback and other trips.
5. A double-page map of the United States showing exact locations of all 24 parks and 38 monuments.
6. One hundred and seventy photographs of scenery, birds, animals & plants.

DICKSON, JAMES G. Diseases of Field Crops. 429 p. N. Y., McGraw-Hill, 1947. 464.04 D56

"The purpose of this volume is to present in as brief a space as feasible the important information pertaining to diseases of the field crops. Investigations on the diseases of this group of economic plants and upon the crop plants themselves are continually contributing new facts and modifying former points of view, therefore, a volume of this type can never be complete for the relatively large number of diseases included. Furthermore, investigations on many of the diseases are inadequate and much of the literature deals with limited phases of the diseases. Consequently this volume is offered not as a complete treatise of subject matter or literature but rather as a convenient reference outline on cur-

rent information concerning the diseases of this group of crop plants."

EDMINSTER, FRANK C. Fish Ponds for the Farm. 114 p. N. Y., Scribner, 1947. 414 Ed5

"This book tells the story of fish ponds, ancient and modern, how to design and build them and how to stock and manage them... The author describes in detail the best location for the pond, the soil type and water supply needed, topography and drainage problems and so forth. He gives complete instructions for building and landscaping the pond and indicates the help in design, construction and loan of machinery which can be obtained from government agencies. And then he presents a thorough analysis of the problems of stocking and managing the ponds for the maximum yield of fish; the types of fish which may profitably be stocked and their characteristics, methods of preventing overstocking, food supply for the fish, how to take the fish harvest, and so on..."

The author is in charge of the wildlife program of the Soil Conservation Service for the northeastern states.

GUDDE, ERWIN G. 1,000 California Place Names; their origin and meaning, based on California Place Names, a geographic dictionary, by ... 96 p. Berkeley, Univ. of Calif. press, 1947. 124 G93

"This little book has been compiled to present in convenient form the stories behind the naming of California's important cities, counties, rivers, mountains, capes and bays - place names which sooner or later arouse the curiosity of those who travel the main California highways and trails. To these have been added a few names which are of historical or anthropological interest, or have a good story behind them, or are typically Californian".

GUSTAFSON, A. F. Using and Managing Soils. 420 p. N. Y., McGraw-Hill, 1948. 56.7 G97U

"The purpose of this book is to provide present and prospective farmers with basic information and practical suggestions on using and managing soils. It is designed for farmers, those who work small acreages, home gardeners, and students of vocational agriculture... Holding the soil in place against washing and blowing and keeping the soil productive over the years are stressed throughout the volume. The necessity for the return of organic matter, fertilization, crop rotations, and proper handling of sour and alkali soils, and drainage, as well as appropriate tillage at the right time under the right conditions, also receive their full share of attention."

HARLOW, REX W. & BLACK, M. M. Practical Public Relations, its foundations, divisions, tools and practices. 442 p. N. Y., Harper, 1947. 238.2 H22P

"This book ... presents both an overview of the field, and a specialized analysis of each of the main divisions - labor, personnel, stockholder, consumer, trade, government, the community - for which public relations is a basic problem. The book explains the utilization of the press, the radio, films, advertising, the public platform, and includes a careful treatment of the whole relationship of the public relations worker to his organization. Much of the material gathered here has been pre-tested in business and college courses throughout the country ..."

KING, HORACE W., WISLER, CHESTER O. & WOODBURN, JAMES G. Hydraulics; 5th ed. 351 p. N. Y., Wiley, 1948. 290 K58H Ed.5

A thorough study of the fundamentals of hydraulics and fluid mechanics. Considerably rewritten, the fifth edition now covers recent developments in the science and includes many new problems and topics.

KITTREDGE, JOSEPH. Forest Influences: the effects of woody vegetation on climate, water, and soil, with applications to the conservation of water and the control of floods and erosion. 394 p. N. Y., McGraw-Hill, 1948. 99.36 K65

"In this new forestry book the author brings together for the first time the widely scattered information on the value of forests and shrubs as a protective covering for the land. He analyzes their basic physical relations to climate, water, and soil, and evaluates their usefulness and the possibilities in their management for the reduction of floods and erosion and the production of maximum yields of usable water. Quantitative data and relations are emphasized throughout".

Another in the American Forestry Series.

McKELVEY, SUSAN DELANO. Yuccas of the Southwestern United States. 2 vols. Jamaica Plain, Mass., Arnold Arboretum of Harvard University. 452.3 M19Y

This two volume study covers the area from central Texas west to the Pacific Ocean and from the Mexican border as far north as the southern portions of Nevada, Utah and western Colorado. Important collections have been discussed as well as the yuccas growing in their native habitat.

PRATT, MARGARET. The Successful Secretary. 144 p. N. Y., Lothrop, Lee & Shepard Co., 1946. 200.3 P88

"This new and stimulating book for secretaries has a completely fresh approach to the vocation that starts the majority of girls on their business careers.

Part One - Basic Training, discusses the duties of the average secretary and gives definite suggestions about getting experience, preparing for interviews and holding a job. There is a clear presentation of routine office work and hints about ways of earning promotions.

Part Two is developed through interviews with executive secretaries who have achieved outstanding success and hold some of the most coveted jobs in the country ...

Part Three, an Information Forum, contains questions and answers coming from the seven "experts" interviewed in Part Two ...

Amusing illustrations are scattered generously throughout the book.

PLEASE WRAP BOOKS SECURELY IN CORRUGATED PAPER

SPURR, STEPHEN H. Aerial Photographs in Forestry. 340 p. N. Y., Ronald press, 1948. 325.2 Sp9

"Aerial Photographs in Forestry is an effort to bring together in one place existing information concerning the use of photographs in forest mapping, inventory, and other phases of forest management. The book is written with the hope that it will find use both as a text and as a manual. It is, in addition, a report on research".

U. S. BUREAU OF THE CENSUS. County Data Book: a supplement to the Statistical Abstract of the United States. 431 p. Washington, Govt. print. off., 1947. 157.41 C836

Presents in compact form some of the more important social and economic facts about each county in the U. S. In addition, data are summarized for each of 138 metropolitan areas made up of whole counties.

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NEW MAGAZINES

CALIFORNIA. DIVISION OF FORESTRY. NEWSLETTER. m.

Following an absence of nearly three years, the Newsletter has resumed publication.

CURRENT RESEARCH IN THE SCIENCE OF NUTRITION. m.

Abstracts of articles in Nutrition Review published by the Nutrition Foundation.

FARM POLICY FORUM. q.

"... to bring to public attention timely and often controversial articles in the farm policy field". Pocket size.

INDUSTRIAL HYGIENE. m.

Published by the U. S. Public Health Service.

PACIFIC DISCOVERY: a journal of nature and man in the Pacific world. bi-mo.

California Academy of Sciences issues this well printed and beautifully illustrated magazine. Articles on natural history and conservation.

U. S. FISH & WILDLIFE SERVICE. WILDLIFE REVIEW. irr.

An abstracting service for wildlife management.

Any of the above will be routed to you regularly upon request. They are only six of the nearly 300 magazines received by the San Francisco Branch Library. Write to us for a complete list if you have not already checked one. Or, if you are now having magazines routed to you and you wish to make some changes, please let us know.

SELECTED PAMPHLETS

AERIAL PHOTOGRAPHY

CHURCH, EARL. Application of the direction-cosine system of analysis to scale-data problems in aerial photogrammetry. 22 p. 1947. (Syracuse univ. Dept. of photogrammetry. Bul. No. 18) 332 Sy8B No.18

AGRICULTURAL ECONOMICS

CIRIACY-WANTRUP, S. V. Booms, depressions, and the farmer. 24 p. 1948. (Calif. Agr. expt. sta. cir. No. 376) 100 C12S(c) No. 376
COOPER, M. R. & others. Progress of farm mechanization. 101 p. 1947. (USDA Misc. pub. No. 630) 1 Ag84M No. 630
TOSTLEBE, A. S. & others. The balance sheet of agriculture, 1947. 74 p. 1948. (USDA Misc. pub. no. 642) 1 Ag84M No.642
U. S. DEPT. OF AGR. OFF. OF THE SECRETARY. Programs to effectuate a long-range policy of abundance. 6 parts. 1947.

BUILDINGS

SATER, L. E. A stop-saving U kitchen. 11 p. 1948. (USDA Misc. pub. no.646) 1 Ag84M No.646
U. S. BUR. OF HUMAN NUTRITION. Your Farmhouse ... planning the bathroom. 15 p. 1948. (USDA Misc. pub. No. 638) 1 Ag84M No.638
U. S. BUR. OF PLANT INDUSTRY. Decay and termite damage in houses. 20 p. 1948. (USDA Farmers' bul. No. 1993) 1 Ag84F No.1993
U. S. BUR. OF PLANT INDUSTRY. Our farmhouse ... insulation and weatherproofing. 16 p. 1948. (USDA Misc. pub. no. 633) 1 Ag84M No. 633)

EXHIBITS

GILBERTSON, H. W. Educational exhibits; how to prepare and use them; a manual for extension workers. 41 p. 1948. (USDA Misc. pub. no. 634) 1 Ag84M No.634

FATS & OILS

HANSEN, P. L. Oil crops in American farming. 55 p. 1947. (USDA Tech bul. No. 940) 1 Ag84Tc No. 940
ROSSITER, F. J. Fats and oils: world production and trade. 130 p. 1946. (USDA Off. of foreign agr. relations. Foreign agr. report No. 11) 1.943 F763 No. 11
WALSH, R. H. Fats and oils in World War II; production and price-supporting programs. 30 p. 1947. (BAE War records monographs no. 6) 1.941 A5W192

FERTILIZERS

AUSTRALIA. COUNCIL FOR SCIENTIFIC & INDUSTRIAL RESEARCH. Plant responses to molybdenum as a fertilizer. 44 p. 1948. (Bul. no. 198) 514 Au72B
DOBIE, J. B. Liquid manure pumps and equipment. 11 p. 1947. (Calif. Agr. Col. Ext. Cir. No. 140) 100 C12E No.140
U. S. PROD. & MARKETING ADM. The fertilizer situation for 1947-48; nitrogen fertilizer consumption in the United States, 1929-30 through 1947-48. 14 p. 1947. 1.9424 H2F41
WHITTAKER, C. W. Ammonium nitrate for crop production. 28 p. 1948. (USDA Cir. no. 771) 1 Ag84C No.771

FLOOD CONTROL

BAILEY, R. W. & OTHERS. Watershed management for summer flood control in Utah. 24 p. 1947. (USDA Misc. pub. No. 639) 1 Ag84M No. 639

PATENTS

U. S. PATENT OFF. General information concerning patents. 21 p. 1946.

U. S. PATENT OFF. Rules of practice in the U. S. Patent office. 103 p. 1947.

RABBITS

TEMPLETON, G. S. Angora rabbit wool production. 10 p. 1947. (U. S. Rabbit expt. sta., Fontana, Calif. A.H.D. No. 107) 1.9 An52Ah No. 7

TEMPLETON, G. S. Rabbit production. 62 p. 1946. (USDA Farmers' bul. no. 1730 rev.) 1 Ag84F No. 1730

RECLAMATION OF LAND

U. S. BUR. OF RECLAMATION. Data on acreages, crops, water deliveries, costs, revenues, and settlement, 1946. 40 p. 1947. 156.84 D26

U. S. BUR. OF RECLAMATION. Landownership survey of federal reclamation projects. 109 p. 1946.

U. S. BUR. OF RECLAMATION. R-3. General information concerning the Coachella division of the All-American canal system in the Coachella valley, Riverside county, Calif. 10 p. Boulder City, Nev. 1947. 156.85 G284

The House Hearings on the 1949 agricultural appropriation bill are now available. 148.9 Ap6 1949

The Annual Report of your Bureau Chief files in the Branch Library. Have you read it?

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LIBRARY NEWSLETTER

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Vol. 7, No. 5

May 1948

NEW BOOKS

BOTTOMLEY, M. E. New Designs of Small Properties: a book for the home-owner in city and country. Rev. ed. 174 p. N. Y., Macmillan, 1948. 98 B65

The formal and the informal design, odd lots and modern are treated in this book on the small home lot. There are also chapters on garden design and planting composition. Illustrated with typical layout plans.

CONSUMERS UNION. Consumer Reports: 1948 buying guide issue. 377 p. N. Y., Consumers Union, 1947. 280.8 C764

The Buying Guide contains in condensed form the reports on products which have appeared in the regular monthly issues of Consumer Reports during the past year, including practically all of the ratings published in the Reports in that period and also material published in previous years which the CU staff considers still to be useful.

DAUBENHIRE, R. F. Plants and Environment: a textbook of plant autecology. 424 p. N. Y., Wiley, 1947. 463.3 D26

This book is the outgrowth of ten years' experience in teaching the fundamental relations between plants and environment to mixed classes of students majoring in botany, forest management, range management, and agriculture. At this time the author is Associate Professor of Botany at the State College of Washington.

DE GRAFF, HERRELL & HAYSTEAD, LADD. The Business of Farming. 244 p. Norman, Univ. of Oklahoma, 1948. 281.12 D362

"For the average small-farm operator who wants to make his operation a financial success; for the large-farm operator who gives considerable thought to more efficient operation of his holdings; and for the business man who owns land and is interested in better management of his land through changing economic conditions, this book is a manual of planning, procedure and production".

Herrell De Graff has himself been a farm hand and is currently professor of agricultural economics in Cornell University. Ladd Haystead, until recently editor of the Farm Column of Fortune, is at present an independent farm consultant.

INGLES, LLOYD GLENN. Mammals of California. 258 p. Stanford Univ. press, 1947. 412.1 In4

"Nature lovers, whether professional naturalists, mammalogists, students, or merely inquiring vacationists exchanging curious glances with an unfamiliar animal, will find Mammals of California a delightful introduction to wild life, exciting to all those who love the out of doors. If the inquirer be a student or amateur, he will find the book an especial adventure. It is designed mostly for him, although it is also a valuable ready reference handbook for the professional. Its range maps, natural history accounts, and wealth of photographs prove helpful aids in identification. Its keys make readily identifiable all species of mammals. The accounts of the species of mammals are also most comprehensive but not needlessly complex".

The author is Professor of Zoology in Fresno State College.

IVES, PAUL. Domestic Geese and Ducks: a complete and authentic handbook and guide for Breeders, growers and admirers of domestic geese and ducks. 372 p. N. Y., Orange Judd Pub. Co., 1947. 47.1 Iv3

"... This book is designed to give in simple words and briefly, something of the possibilities of pleasure, satisfaction and profit in goose raising - as an inexpensive and fascinating hobby, as a paying sideline on a general farm, or as a profitable business enterprise." Fully illustrated.

OSBORN, FAIRFIELD. Our Plundered Planet. 217 p. Boston, Little, Brown, 1948. 279 Os1

The President of the New York Zoological Society "... has written this book out of his conviction that we human beings are rushing forward unthinkingly through days of incredible accomplishment, of glory and of tragedy, and that we have forgotten the earth as our source of life. He sees that the earth's resources are going, going . . . whether because of the crowding populations of the east, or the cattlemen and lumbermen of the West. Fundamental to the troubles not only of nations like China and India but of nations throughout the world is the misuse of the land by their people.

As an American the author believes that the way to forestall oncoming crises is to arouse public opinion to what is going on, to the end that active and voluntary cooperation between people and government may save the situation before it is too late. For no nation in the long history of civilization has been more violently destructive of its life-supporting resources than the United States of America - that 'country of the great illusion', the country that 'can feed the world'".

PYENSON, LOUIS. Pest Control in the Home Garden. 198 p. N. Y., Macmillan, 1947. 423 P99

This manual is scaled to the amateur gardener rather than the large commercial grower. The easiest and most practical methods of dealing with insect, animal, and disease pests are given.

PLEASE WRAP BOOKS SECURELY IN CORRUGATED PAPER

SHEPHERD, GEOFFREY S. Agricultural price policy. 2d ed. 440 p. Ames, Iowa State College Press, 1947. 284.3 Sh4A ed.2

The purpose of this book is to set forth in specific terms the price policy that needs to be developed for agriculture in the United States. The first part of the book includes the essence of the author's Agricultural Price Control (1945) considerably revised, condensed and brought up to date. The last part is new and outlines the objectives of agricultural price policy and presents a group of related price programs that are needed to attain them.

STEWART, GEORGE R. Fire. 336 p. N. Y., Random House, 1948. 145.3 St4

"The hero of George R. Stewart's new novel is a spark that almost flickers out at birth, smoulders for a while, is on the verge of death, is revived and then glows with a violent life of its own into a conflagration raging over miles of timberland. Man pits his strength and cunning and character against the fiercest of elements - fire. To fight it he must summon every resource of strength and strategy, and marshal an army of volunteers to meet a life-and-death test in a peace-time emergency.

"As the fire threatens to destroy a huge western forest, the Promethean drama rises in a succession of climaxes through eleven days of heroic resistance, grand stratagems and heart-breaking retreats until the halo-caust is overcome.

"Although originally conceived by its author as a companion-piece to his widely acclaimed novel Storm, Fire marks a new progression in method, in treatment and in total effectiveness as drama by one of the most original and stimulating novelists of our time."

THIMANN, KENNETH V. & BEHNKE, JANE. The Use of Auxins in the Rooting of Woody Cuttings. 272 p. Petersham, Mass., Harvard Ecres, 1947. 90.11 T34 (Maria Moors Cabot Foundation. Publication N. 1)

SUNSET MAGAZINE. Sunset Cabin Plan Book. 64 p. San Francisco, Lane, 1948. 296 Su7Su

Vacation homes for beach, seashore or mountains are illustrated in this book. Selection of site, water supply and sanitary facilities, cabin foundation, fireplace, and the actual construction of the cabin in frame, log or stone are described in detail.

WEINDLING, LUDWIG. Long Vegetable Fibers: manila, sisal, jute, flax and related fibers of commerce. 311 p. N. Y., Columbia Univ. Press, 1947. 73 W43

"The book covers first the growing of the various fibers in countries of origin; including harvesting and decorticating methods, grades and qualities, marketing procedure, acreage and volume and destination of output. It then takes up the manufacturing methods required for conversion into various finished products, discusses the major problems relating to such conversion and describes the more important end products. This is followed by a description of the converting industry in each of the chief manufacturing countries with special emphasis on the American scene. The size and history of the industry, numbers of employees,

working conditions, its importance to the national economy, capital investment, profits, and the future outlook are also treated.

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- BLACK, W. H. Relation between urinary calculi and the use of grain sorghum in steer-fattening rations in the southern Great Plains. 15 p. 1947. (USDA Tech. bul. No. 945) 1 Ag84Te No.945
- GUILBERT, H. R. Feeding value of sugar-beet by-products. 24 p. Berkeley, Calif., 1947. (Calif. Agr. Expt. Sta. Bul. No. 702) 100 C12S No.702
- HOWE, P. E. A handbook for better feeding of livestock. 71 p. 1947. (USDA Misc. Cir. No. 12 rev.) 1 Ag86Cm No. 12

FOOD & NUTRITION

- HEWSTON, E. M. Vitamin and mineral content of certain foods as affected by home preparation. 76 p. 1948. (USDA Misc. Pub. No. 628) 1 Ag84M No.628
- HOUSEHOLD FINANCE CORP. Better buymanship - Fresh fruits and vegetables. 40 p. 1947. 321 H81 No. 3
- HOUSEHOLD FINANCE CORP. Better buymanship - Fish. 26 p. 1947. 321 H81 No. 9
- U. S. BUR. HUMAN NUTRITION. Food for the family with young children. 15 p. 1946. (USDA AIS-59) 1 Ag84Ai No. 59
- U. S. BUR. HUMAN NUTRITION. Money-saving main dishes. 48 p. (USDA AIS-69) 1 Ag84Ai No. 69
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FOREST FIRES

- BYRAM, G. M. Some principles of visibility and their application to forest fire detection. 61 p. 1948. (USDA Tech. Bul. No. 954) 1 Ag84Te No. 954
- MORRIS, W. G. What is the time between ignition and discovery of lightning fires? 5 p. Portland, Oreg., 1947. (Pacific Northwest Forest & Range Expt. Sta. Forest Research Note No. 40) 1.9 F76 Pl1F No.40
- U. S. FOREST SERVICE. R-5. Fire danger observations. How to make them. 15 p. San Francisco, 1946.
- U. S. FOREST SERVICE. R-5. Fire danger rating. 9 p. San Francisco, 1946.
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- U. S. EXTENSION SERVICE. Association management of camps for migratory farm workers. A preliminary report on methods of farm labor associations which operate central housing for migratory farm workers, by J. D. Hervey and Jerome K. Pasto. 42 p. 1947. 1.913 E2As7

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- U. S. CIVIL SERV. COMM. 13th Region. Joint college - federal service council. Improvement of federal service personnel. 39 p. Denver, Colo., 1947.
(U. S. DEPT. AGR). Minutes of the meeting, land-grant college department committee on training for government service, Aug. 8-9, 1946 - Washington, D. C. 17 p.

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METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA. Report for the fiscal year July 1, 1946 to June 30, 1947. 152 p. Los Angeles, Calif., 1947. 292 M56

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TO OUR BORROWERS

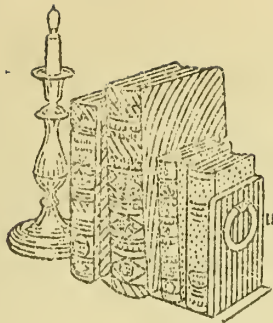
When you transfer to another location please notify the Library so we can send your books and magazines to the right address.

Our East Bay office at 322 Mercantile Building, Berkeley, is closed. For Library service please write to the San Francisco Branch or telephone YUkon 6-3111, Local 898. We will continue to arrange for the loan of books from the University Library.

Librarians are accustomed to doing detective work but we don't have the facilities for identifying handwriting and typing. When we receive AD-245's (USDA Library Request) without your name and address we are helpless to know where to send to send the material. Late in May we received four requests without name and address - three are for books on forestry, one on reclamation. Are they yours?

One of the services provided by the Branch Library is to arrange for the loan of books from other libraries when we do not have them in our own collection. We ask your cooperation in returning these books on or before the date due not only so we can comply with the rules of these other libraries but because several of them charge fines. These fines vary from two to ten cents for each day that a book is overdue, depending upon the type of book. The Branch Library has no funds for paying these fines and they are the responsibility of the borrower.

SIGNE RUH OTTERSEN
Librarian



LIBRARY NEWSLETTER

U. S. DEPARTMENT OF AGRICULTURE

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Vol. 7, Nos. 6, 7 & 8

June-August 1948

The Portland Branch Library merged with the San Francisco Branch on July 1. This Library now serves California, Idaho, Nevada, Oregon, Washington and Alaska.

We welcome our new clientele and hope we can serve them often. If there have been delays and oversights in recent weeks, we can only ask your understanding. In the future we hope to give you the same fine service formerly provided by the Portland Branch.

The latchstring is always out to any visitors who may find it convenient to make a personal call.

NEW BOOKS

AVERY, GEORGE S. & JOHNSON, ELIZABETH B. Hormones and Horticulture; the use of special chemicals in the control of plant growth. 326 p. N.Y., McGraw-Hill, 1947. 90.11 Av3

"This timely book deals primarily with the practical applications of special chemicals in the control of plant growth. The authors stress current efforts to regulate plant growth by application of minute amounts of growth-controlling phytohormones as a major feature of a new era in agriculture. They have assembled and collated a great many data from widely scattered sources on the theory and use of growth substances. Specific directions for their use and critical evaluation of results constitute a major contribution of the book. With a view to thoroughness, the authors have not limited the discussion to phytohormones in the narrow sense but include the use of many other compounds which in low concentrations are capable of inducing marked plant response.

The book describes various chemicals in relation to the rooting of cuttings, use of blossom-thinning sprays, control of fruit abscission, parthenocarp, seed germination and dormancy, activation of dormant vegetative organs, the use of colchicine and comparable stimuli in the production of ploidy, and the role of new herbicides in agriculture. The extensive bibliography plus very complete subject and author indices add considerably to the utility of this important practical compendium on plant response to growth substances.

From Plant Physiology, April 1948

BURTT, EDWIN ARTHUR. Right Thinking, a study of its principles and methods. 764 p. N.Y., Harper, 1946. 145 B952 Ed.3

Scientific method, the ways of reasoning about the things which science investigates so as to interpret them as accurately as possible, is of practical interest to all workers in research and to administrators who must evaluate and apply research results. No piece of scientific research is any better than the reasoning by which the experimentation is planned and the results interpreted. The subject matter of scientific method is often difficult to understand by those not trained in speculative thinking. Its literature is extensive and often abstruse. It is therefore encouraging to find a treatment of scientific method from which the scientific worker not specially trained in formal logic can gain a degree of knowledge that will benefit his work. Right Thinking, by Dr. Edwin Arthur Burtt, meets this test.

Dr. Burtt's book opens with a description and classification of the mental steps taken by any person in the solution of a minor personal problem. He then demonstrates that these steps are identical in nature with those followed by a competent scientist in planning, performing, and interpreting a complex piece of research. By easy stages the reader is led to discussion of the nature and use of the inductive and deductive processes of inference, classification, hypothesis, and the place of statistical analysis in science. A list at the beginning of the book designates certain chapters as of particular value to the understanding of scientific method, leaving the reader free to delve farther into the chapters dealing in more detail with formal logic if he so desires.

Review by Stephen N. Wyckoff

CROCKER, WILLIAM. Growth of Plants; twenty years' research at Boyce Thompson Institute. 459 p. N.Y., Reinhold Pub. Co., 1948. 436.36 C87

This carefully documented and exhaustive description of the major problems relating to plant growth research undertaken at Boyce Thompson Institute since its foundation contains a wealth of technical information bearing on a wide variety of agricultural topics. Some of the chapter headings are: Life span of seeds; Dormancy in seeds; Plant hormones; Plants grown under controlled environmental conditions; Research on insecticides.

CROUSE, WILLIAM H. Home Guide to Repair, Upkeep and Remodeling. 358 p. N.Y., McGraw-Hill, 1947. 323 C88

All the information needed to keep a home, its mechanical and electrical equipment, and the grounds surrounding it, in the best condition, to make any necessary repairs and to remodel it as desired, is here together in one volume. In addition to the various upkeep and repair jobs ordinarily required, it presents major remodeling projects, such as building attic and basement rooms, adding a wing, building a garage, etc. A special feature is the material on general insurance regulations, safety and fire hazards.

PLEASE WRAP BOOKS SECURELY IN CORRUGATED PAPER

DESCH, H. E. Timber: its structure and properties. 2d ed. 239 p. N.Y., Macmillan, 1947. 99.79 D45 Ed.2

"This second edition of an authoritative and thoroughly comprehensive work will appeal to all who are concerned in the buying, storage, selling, and use of timber. In simple, concise language the author deals with the subject matter under such headings as: Softwood tissues; Hardwood tissues; Identification of timbers; Weight; Strength; Moisture; The conductivity and heat value of wood; Seasoning; Defects in timber, etc."

FOSTER, EDGAR E. Rainfall and Runoff. 487 p. N. Y., Macmillan, 1948. 340 F81

"The purpose that motivated the preparation of this book was two-fold. It was desired to present a reasonably complete picture of the science of hydrology as related to rainfall and runoff, including the more important and well-established principles that have been developed within the past two decades. Second, it was intended to introduce into hydrological practice the use of the methods of statistical analysis. In the combination of these two objectives it is hoped to put the science of hydrology on a logical basis by eliminating guesswork as much as possible, by setting limits within which judgment may be exercised safely, and by introducing means of measuring the numerous variations observed in the occurrence of water in nature."

From the Preface

KRYWINE, DIMITRI P. Soil Mechanics: its principles and structural applications. 2d ed. 511 p. N.Y., McGraw-Hill, 1947. 290 K94 Ed.2

"Presents the principles used in the design, construction and maintenance of foundations of structures, and of structures made of earth material. The engineering application of these principles are discussed, field and laboratory investigations are described, and the settlement of structures, its causes, prevention and damage are covered at length. This revised edition of a highly popular text brings both the material and bibliography in the old edition up to date and includes new sections on highway and runway subgrade."

SALOMON, JULIAN HARRIS. Camp Site Development. 105 p. N.Y., Girl Scouts of the United States of America, 1948. 296 Sa3

"This book is intended as a guide to all concerned with the planning and development of Girl Scout camping facilities... Herein will be found descriptions and typical plans for the facilities generally needed in larger established camps, but the smaller, simpler and more temporary camps have not been forgotten. Along with large dining halls will be found simple outdoor kitchen shelters. Complete water systems are described, but the simple dug well and hand pump are also included, and while complete sewage systems are shown, there are also plans for the simplest types of pit privies. So, for the established camp, the troop camp, and day camp, we have tried to present ideas that will help to meet their special needs."

PENALTY FRANKS MAY BE USED ON COMMUNICATIONS
TO THE LIBRARY AND IN RETURNING BOOKS WEIGH-
ING LESS THAN FOUR POUNDS.

STEWART, P. D. Handling Horses: hints and principles for the training and education of horses and their riders. 186 p. Chicago, Ziff-Davis Pub. Co., 1948. 42 St44

"This is a complete manual on the care, the management, and the education of the horse, as well as the education of the rider. At the same time it is a fascinating collection of the author's reminiscences of racing, the steeplechase, riding to the hounds, polo, and other sports in which the horse plays a major role. Originally published in England, it has become a classic among modern books on horsemanship."

TURNER, ARTHUR W. & JOHNSON, ELMER J. Machines for the Farm, Ranch, and Plantation. 793 p. N.Y., McGraw-Hill, 1948. 58 T85

"This book provides information and instructional material dealing with all machines used in producing and, in some cases, partially processing all crops, vegetables, fruit, and nuts grown in the United States and Canada. It covers selection, operation, care, and maintenance of the machines. Machines are grouped by sections according to the specific functions they perform, such as seedbed preparation, seeding, cultivation, etc. Each section deals with selection, operation, including field servicing, and reconditioning and storage."

U. S. DEPT. OF AGRICULTURE. Grass: the yearbook of agriculture, 1948. 892 p. Washington, D. C., Govt. print. off., 1948. 1 Ag84Y

Following the practice of the last several years of devoting the Yearbook to a single subject the 1948 volume is on grass. Eulogized as "the foundation of agriculture ... the tool against floods ... the guardian of water supplies ... the carpet of the infant ... the blanket of the dead", the book progresses from nontechnical to more specific and technical subjects. Starting with grass as it applies to people anywhere, then emphasizing livestock and soils, conservation, the uses in the various regions, it proceeds to identification, and finally to charts, tables and statistics.

It is good reading for anyone and a "must" for conservation workers.
Review by Fred C. Cronmiller

VOGT, WILLIAM. Road to Survival. 335 p. N.Y., Wm. Sloane Associates, 1948. 279 V86

"For the survival of mankind, this book may be one of the most crucial ever written. It is the revelation of the fact that the earth, as abused by man, is unable to support the human race in terms of its most basic need - food.

Presented with magnificent force and clarity by a man who is both a keen-minded scientist and a brilliantly exciting writer, Road to Survival deals with the inescapable facts of the earth. Man's so-called conquest of nature is shown to be a suicidal process whereby the world, a sanctuary without exits for a fast-breeding human race, is rapidly being made uninhabitable.

Documented and authoritative, it carries the inescapable excitement of discovery, cutting through the fog of attitudes called by political, economic, or ideological names and shows major world events in terms of simple, human absolutes.

If Mr. Vogt's book is read by enough people willing to realize that humanity is caught in a situation as real as a pair of shoes two sizes too small, there is hope for a road to survival."

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CORK OAK

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- RYAN, V. A. Some geographic and economic aspects of the cork oak. 116 p. 1948. Baltimore, Md., Crown Cork & Seal Co., 1948.

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- GREELEY, W. B. Industrial forest management in the Pacific Northwest as influenced by public policies. 15 p. Durham, N.C., 1948. (Duke Univ. School of forestry. Lecture No. 7) 99.08 D88L No.7
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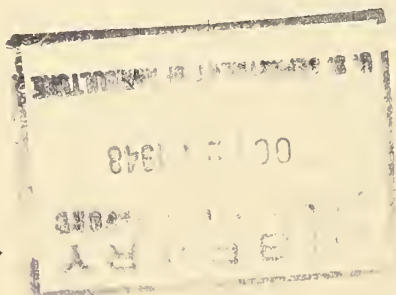
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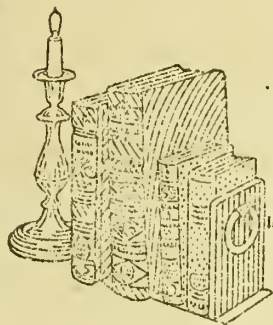
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- WEIR, W. W. Soils of a portion of Palo Verde valley (between the levee and the river) Riverside county, Calif. 11 p. 1947.

WATER

- CALIF. DEPT. OF PUBLIC WORKS. DIV. OF WATER RESOURCES. Evaporation from water surfaces in California: basic data. 205 p. Sacramento, Calif., 1948.
(Bul. No. 54-A) 292.9 Cl2B No. 54-A
- SCOFIELD, C. S. Water input used for field crops at the United States Scotts Bluff (Nebr.) field station, 1941-44. 18 p. 1948. (USDA Cir. No. 777)
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- WILCOX, L. W. Explanation and interpretation of analysis of irrigation waters. 8 p. 1948. (USDA Cir. No. 784) 1 Ag84C No. 784



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LIBRARY NEWSLETTER

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Vol. 7, Nos. 9 & 10

September-October 1948

NEW BOOKS

CALLAHAN, GENEVIEVE A. Sunset All-Western Foods; what they are, where they grow, how to cook them, how to serve them. 284 p. San Francisco, Lane Pub. Co., 1947. 389.25 C133S

As the subtitle suggests, this is a complete cook book from Abalone to Zucchini. Menus, illustrated drawings, and a good index make this a very useful book as well as good reading.

CONFERENCE ON THE CULTIVATION OF DRUG AND ASSOCIATED ECONOMIC PLANTS IN CALIFORNIA. Proceedings ... held at Los Angeles, California, December 5 and 6, 1944. 103 p. Sacramento, Calif., State Print. Off., 1946. 71.9 C762

EINARSEN, ARTHUR S. The Pronghorn Antelope and its Management. 238 p. Washington, D. C., The Wildlife Institute, 1948.

While limited to observations mostly in eastern Oregon, this is the best work yet on this "Ghost of the Plains". It is a fascinating and well-written treatise, liberally illustrated with maps, charts, sketches and photographs totalling over 70 in number. It contains details of life history, habits and behavior, together with a discussion of the animal's place in a civilized world and methods for its management. To read it is a travel experience, yet it may well be considered a tract for the naturalist.

Review by Fred Cronmiller

HAZARD, JOSEPH T. Our Living Forests: the story of their preservation and multiple use. 302 p. Seattle, Wash., Superior Pub. Co., 1948. 99.61 H33

"The multiple use of trees and forests is the message of this book. Its author has devoted most of the years of a long life about equally to the enjoyment of trees and forests and to the complex fields of their utilization. He is firmly convinced through experience that fun in forests works out well with their industrial and commercial use. It demands both feeling and thinking to understand and to invite forest cooperation. In no other field of natural resources are balance and tolerance more essential".

Quoted from the Preface

LIBRARY REQUEST FORM AD-245 IS A GREAT CONVENIENCE

MARTINEZ, MAXIMINO. Los Juniperus Mexicanos. 152 p. Mexico, Universidad Nacional, Instituto de Biologia, 1946. 442.9 M57 (Anales. Vol. 17, Nos. 1 & 2)

MRAK, E. M. & STEWART, GEORGE F. ED. Advances in Food Research, Vol. I. 459 p. N. Y., Academic Press, 1948. 389 M87

"Humans frequently crave the food their systems need", according to one of the contributors to this scholarly study of the basis of appetite. The book also deals with the relationship between the nutritive value of food and its acceptability. Microbiology and food technology are also discussed.

PHILLIPS, RALPH W. Breeding Livestock Adapted to Unfavorable Environments. Washington, D. C., Food & Agriculture Organization of the United Nations, 1948. 182 p. (FAO Agricultural Studies No. 1) 28 F73

"The material in this volume has been assembled to make available to animal breeders and all workers interested in livestock improvement much of the information having a bearing on the breeding of livestock adapted to unfavorable environments. No attempt has been made to collect all the pertinent facts, but sufficient examples have been set forth to illustrate the dangers of introducing unadapted types, and to indicate the possibilities of improving livestock under favorable conditions, either by selecting within native types, introducing more productive types from other regions where similar conditions prevail, or developing new types adapted to specific sets of conditions".

SMALL, JAMES. pH and Plants: an introduction for beginners. 216 p. N. Y., Van Nostrand, 1946. 463.3 SmlP

"This compact book reviews recent important methods and data on pH in relation to plant physiology. Methods of approach, applications, and types of results expounded provide a helpful resume of the current status of hydron studies. A wide variety of data are included on interrelationships between pH and such topics as metabolism, enzymatic reactions, plant structures, pathology, and ecology. The book is well illustrated, and a selected bibliography of over 300 important papers is included".

Plant Physiology, June 1947

SOCIETY OF AMERICAN FORESTERS. Proceedings ... meeting, Minneapolis, 1947. 505 p. Washington, D. C., 1948. 99.8 F768P

SOIL SCIENCE SOCIETY OF AMERICA. Proceedings, 1946. 572 p. Morgantown, W. Va., 1947. 56.9 So3 v.11

STOCKBERGER, WARNER W. Personnel Administration Development in the United States Department of Agriculture. The first fifty years. 216 p. Washington, D.C. 1947. 1.917 A2P436

U. S. BUR. OF LAND MANAGEMENT. Manual of Instruction for the Survey of the Public Lands of the United States, 1947. 613 p. Washington, D. C., Govt. Print. Off., 1947. 156.56 M31

U. S. BUR. OF RECLAMATION. How Reclamation Pays: project repayment histories and payout schedules with crop production history. 335 p. Washington, D.C. 1947.

U. S. FOREST SERVICE. R-5. Wildlife Management Handbook for Forest Officers, Region 5. Prepared by S. B. Shaw, A. G. Brenneis, F. P. Cronemiller, R. L. Deering, Ivan Sack and D. M. Trough. Substantially completed in 1941, published in 1947. 243 p. San Francisco, 1947. 1.9621 R5W64

U. S. OFF. OF THE HOUSING EXPEDITER & HOUSING AND HOME FINANCE AGENCY. Manual on wood construction for prefabricated houses. 330 p. Washington, D. C., 1947.

WHITE, CHARLES D. Camps and Cottages: how to build them. 260 p. N. Y., Thomas Y. Crowell Co., 1946. 296 W582

This book resulted from the actual building of a camp by a son (who wanted a camp) and his architect father. Into the planning and design of that camp went all of the eager enthusiasm of youth and the experience that is a partial recompense for age. The use of simple terms and detailed illustrations give an easy approach to the building of a cabin.

WHITE, JOHN M. The Farmer's Handbook. 440 p. Norman, University of Oklahoma Press, 1948. 30.3 W58

"The intention of The Farmer's Handbook is to fill the need of the practical everyday farmer and county agent, as the cook book fills the need of the housewife. Its aim is to help farmers to be more efficient and successful in their operations and to find many short cuts to longer profits".

YEAGER, DORR G. Your Western National Parks - guide. 275 p. N. Y., Dodd, Mead & co., 1947. 98.6 Y3

The author has worked in many of the western national parks as a park naturalist during the last twenty years. He is familiar with physical characteristics of the areas, their wildernesses and their wild animals. He has provided sufficient data to enable the vacationist to select the country's wonder spots he plans to visit for playtime or study. Routes to be followed, modes of travel, accommodations to be expected, and expenses involved can be estimated on the basis of his offerings.

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WHAT'S NEW IN CROPS AND SOILS is the name of the new magazine being published by the American Society of Agronomy. It will feature the newest developments in the field of agronomy. The journal will be non-technical, and articles will be concise, easy-to-read and well-illustrated. Your Branch Library has a subscription and your name will be added to the routing list upon request.

RESEARCH ACHIEVEMENT SHEETS. These single page publications issued at irregular intervals by the Agricultural Research Administration are "prepared in the public interest as a brief report of noteworthy research". Reference Data includes such information as "Unit Responsible for Achievement, Persons who Conducted the Work, Date of First Official Announcement... Estimated Cost of Achievement, Estimated Value of Achievement..." Available at the San Francisco Branch Library.

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SELECTED PAMPHLETS

CITRUS MARKETING

- HEMSLEY, H. C. Buyer's suggestions for expanding markets and improving distribution of citrus fruits. 29 p. Washington, D. C., 1948. (Farm Credit Adm. Misc. Rpt. No. 114) 166.3 M68 No.114
- HEMSLEY, H. C. Wholesale buyers' attitudes toward citrus juices. 29 p. Washington, D. C., 1948. (Farm Credit Adm. Misc. Rpt. No. 115) 166.3 M68 No.115

CONSERVATION

- BENNETT, H. H. Our American land: the story of its abuse and its conservation. 31 p. 1948. (USDA Misc. Pub. No. 596 rev.) 1 Ag84M No. 596
- DULEY, F. L. Stubble-mulch farming to hold soil and water. 32 p. 1948. (USDA Farmers' Bul. No. 1997) 1 Ag84F No. 1997
- FRANK, B. Water and our forests. 29 p. 1946. (USDA Misc. Pub. No. 600) 1 Ag84M No. 600

FORESTRY

- EYRE, F. H. Red pine management in Minnesota. 70 p. 1948. (USDA Cir. No. 778) 1 Ag84C No. 778
- LIDDICOET, A. R. Pinus: pollination bag construction. 4 p. Berkeley, Calif., 1948. (Calif. Forest & Range Expt. Sta. Forest research note No. 57) 1.9 F7626R No. 57
- LIDDICOET, A. R. Pinus: propagation of experimental stock. 8p. Berkeley, Calif., 1947. (Calif. Forest & Range Expt. Sta. Forest research note No. 56) 1.9 F7626R
- MUNGER, T. T. Growth of the regional races of ponderosa pine in six plantations. 4 p. 1947. (Pacific Northwest Forest & Range Expt. Sta. Forest research note No. 39) 1.9 F76 P11F No. 39
- STEELE, R. V. Light thinning in century-old Douglas-fir. 3 p. 1948. (Pacific Northwest Forest & Range Expt. Sta. Forest Research Note No. 43) 1.9 F76 P11F No. 43

FRUIT PRODUCTION

- ENGLISH, H. Blue mold decay of delicious apples in relation to handling practices. 20 p. 1946. (USDA Cir. No. 751) 1 Ag84C No. 751
- FISHER, D. F. Apple scald and its control. 9 p. 1947. (USDA Farmers' Bul. No. 1380 rev.) 1 Ag84F No. 1380
- HOWARD, W. L. Home fruit growing in California. 83 p. 1947. (Calif. Agr. Col. Ext. Cir. No. 117 rev.) 100 C12E No. 117
- HUKILL, W. V. Coordinated management for harvesting, storing, and marketing Northwest apples. 32 p. 1947. (USDA Cir. No. 759) 1 Ag84C No. 759

GRASS

- ROSSITER, R. C. Studies on perennial veldt grass (*Ehrharta calycina* sm.) 35 p. 1947. (Australia. Council for scientific & industrial research. Bul. No. 227) 514 Au72B No. 227

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